

CERTIFIED MATERIAL REPORT

CMR No. : 2401104300001

Date of Issue : 2024-01-10

Customer	SPECIALISED WELDING PRODUCTS LIMITE		
Trade Name	SL-71MAG	Size	1.2mm*15kg
Lot No.	312057112	Purchaser's Order No.	-
Specification	AWS A5.20 E71T-1M		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO ₂	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties * According to EN 10204-2004 : 3.1

Weld Metal	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	548	612	27.0	-40	79	90	87	85
AWS Spec.	≥ 390	490~670	≥ 22	-				

Chemical Composition (%) * According to EN 10204-2004 : 3.1

Weld Metal	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
	0.04	0.42	1.38	0.007	0.005	0.02	0.03	0.02	0.01	0.11
AWS Spec.	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.03	≤ 0.03	≤ 0.50	≤ 0.20	≤ 0.30	≤ 0.08	≤ 0.35

Others

We hereby certify that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.

Approved by

K.W. Park

QA Manager Park K. W.



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